BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements to Roads and Drains at Hemanna Layout, Kogilu in Ward No.05, Byatarayanapura Sub Division

									Estimate Cost Rs.	**3736925.62**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
	Desilting of Drain								
	12th A Cross		2	31.00	0.40	0.25	6.20		
	Main Road		2	30.00	0.40	0.25	6.00		
			2	114.00	0.40	0.25	22.80		
	Cross Road		2	36.00	0.40	0.25	7.20		
			2	38.00	0.40	0.25	7.60		
			2	15.00	0.40	0.25	3.00		
	10th Cross		2	215.00	0.40	0.25	43.00		
	For Road Surface								
	12th A Cross		1	31.00	7.30	0.20	45.26		
	Main Road		1	30.00	6.50	0.20	39.00		
			1	114.00	6.50	0.20	148.20		
	Cross Road		1	36.00	5.50	0.20	39.60		
			1	38.00	5.75	0.20	43.70		
			1	15.00	5.50	0.20	16.50		
	10th Cross		1	215.00	5.95	0.20	255.85		
	As per Tender Qty 234.00						**683.91**		
	up to 125% Qty 292.50						**292.50**	TR 130.00	**38025.00**
	above 125% Qty						**391.41**	TR 130.00	**50883.30**
	Tender Rate	**130.00**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	For Culverts		4	6.50	1.95	1.05	53.24		
	As per Tender Qty 53.24						**53.24**	TR 250.00	**13308.75**
	Tender Rate	**250.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Removing B.S Slab of Drain and stacking Page No.25/ Item No. 5.32/ PWD SR 2014-15	Sqm							
	12th A Cross		2	31.00	1.65		102.30		
	Main Road		2	30.00	1.65		99.00		
			2	114.00	1.65		376.20		
	Cross Road		2	36.00	1.65		118.80		
			2	38.00	1.65		125.40		
			2	15.00	1.65		49.50		
	10th Cross		2	215.00	1.65		709.50		
							1580.70		
	Deduct 20% Missing Slabs						316.14		
	As per Tender Qty 475.20						**1264.56**		
	up to 125% Qty 594.00						**594.00**	TR 50.00	**29700.00**
	above 125% Qty						**670.56**	TR 50.00	**33528.00**
	Tender Rate	**50.00**							
4	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2014-15	Sqm							
			Qty Vide Item No.3				1264.56		
	As per Tender Qty 475.20						**1264.56**		
	up to 125% Qty 594.00						**594.00**	TR 65.00	**38610.00**
	above 125% Qty						**670.56**	TR 65.00	**43586.40**
	Tender Rate	**65.00**							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
	For Missing slabs (20%)		Missing Slabs				316.14		
	As per Tender Qty 118.80						**316.14**		
	up to 125% Qty 148.50						**148.50**	TR 600.00	**89100.00**
	above 125% Qty						**167.64**	TR 600.00	**100584.00**
	Tender Rate	**600.00**							
6	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	**Cum**							
	Culverts		4	6.50	1.95	0.15	7.61		
	12th A Cross		1	31.00	7.30	0.15	33.95		
	Main Road		1	30.00	6.50	0.15	29.25		
			1	114.00	6.50	0.15	111.15		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Cross Road		1	36.00	5.50	0.15	29.70		
			1	38.00	5.75	0.15	32.78		
			1	15.00	5.50	0.15	12.38		
	As per Tender Qty 187.61						**256.80**		
	up to 125% Qty 234.51						**234.51**	TR 4750.00	**1113922.50**
	above 125% Qty						**22.29**	TR 4750.00	**105877.50**
	Tender Rate	**4750.00**							
7	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15	cum							
	For Culverts		4X2	6.50	0.60	0.45	14.04		
	As per Tender Qty 14.04						**14.04**	TR 3750.00	**52650.00**
	Tender Rate	**3750.00**							
8	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2014-15	**Sqm**							
	For Culverts		4X2	6.50	0.50	0.45	11.70		
	As per Tender Qty 11.70						**11.70**	TR 4200.00	**49140.00**
	Tender Rate	**4200.00**							
9	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2014-15	**Sqm**							
	For Culverts		4	6.50	0.60		15.60		
	For Sides		4X2	6.50	0.23		11.96		
			4X2	1.65	0.23		3.04		
	As per Tender Qty 30.60						**30.60**	TR 240.00	**7343.04**
	Tender Rate	**240.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix **1:3:6** withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2014-15	**cum**							
	For Culverts		4X2	6.50	0.50	0.10	2.60		
	Vent Bed		4	6.50	0.60	0.10	1.56		
	As per Tender Qty 4.16						**4.16**	TR 5000.00	**20800.00**
	Tender Rate	**5000.00**							
11	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2014-15	Sqm							
	For Culverts		4X2	6.50		0.50	26.00		
	As per Tender Qty 26.00						**26.00**	TR 85.00	**2210.00**
	Tender Rate	**85.00**							
12	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15**	**Cum**							
	For Culverts		4	6.50	1.65	0.23	9.87		
	As per Tender Qty 9.87						**9.87**	TR 5800.00	**57228.60**
	Tender Rate	**5800.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15	Qtl							
	0.80Ton/Cum		0.080	9.87			**0.79**		
	As per Tender Qty 0.79						**0.79**	TR 77000.00	**60780.72**
	Tender Rate	**77000.00**							
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2014-15	Cum							
	12th A Cross		1	31.00	7.30	0.10	22.63		
	Main Road		1	30.00	6.50	0.10	19.50		
			1	114.00	6.50	0.10	74.10		
	Cross Road		1	36.00	5.50	0.10	19.80		
			1	38.00	5.75	0.10	21.85		
			1	15.00	5.50	0.10	8.25		
	As per Tender Qty 120.00						**166.13**		
	up to 125% Qty 150.00						**150.00**	TR 5551.00	**832650.00**
	above 125% Qty						**16.13**	TR 5551.00	**89537.63**
	Tender Rate	**5551.00**							
14	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2014-15	M							
	Cross Road		11	7.30			80.30		
			10	6.50			65.00		
			38	6.50			247.00		
			12	5.50			66.00		
			13	5.75			74.75		
			5	5.50			27.50		
	As per Tender Qty 240.00						**560.55**		
	up to 125% Qty 300.00						**300.00**	TR 120.00	**36000.00**
	above 125% Qty						**260.55**	TR 120.00	**31266.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Tender Rate	**120.00**							
15	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2014-15	Sqm							
	12th A Cross		1	31.00	7.30		226.30		
	Main Road		1	30.00	6.50		195.00		
			1	114.00	6.50		741.00		
	Cross Road		1	36.00	5.50		198.00		
			1	38.00	5.75		218.50		
			1	15.00	5.50		82.50		
	As per Tender Qty 1200.00						**1661.30**		
	up to 125% Qty 300.00						**1500.00**	TR 85.00	**127500.00**
	above 125% Qty						**161.30**	TR 85.00	**13710.50**
	Tender Rate	**85.00**							
17	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 154/ Item No. 20.18/ PWD SR 2014-15	Cum							
	10th Cross		1	215.00	5.95	0.20	255.85		
	As per Tender Qty 180.00						**255.85**		
	up to 125% Qty 225.00						**225.00**	TR 1250.00	**281250.00**
	above 125% Qty						**30.85**	TR 1250.00	**38562.50**
	Tender Rate	**1250.00**							
18	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.4/ PWD SR 2014-15	Sqm							
	10th Cross		1	215.00	5.95		1279.25		
	As per Tender Qty 900.00						**1279.25**		
	up to 125% Qty 1125.00						**1125.00**	TR 25.00	**28125.00**
	above 125% Qty						**154.25**	TR 25.00	**3856.25**
	Tender Rate	**25.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 174/ Item No. 21.20/ PWD SR 2014-15	Cum							
	10th Cross		1	215.00	5.95	0.025	31.98		
	As per Tender Qty 22.50						**31.98**		
	up to 125% Qty 28.13						**28.13**	TR 8350.00	**234885.50**
	above 125% Qty						**3.85**	TR 8350.00	**32157.94**
	Tender Rate	**8350.00**							
20	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
			1	25.00	0.90		22.50		
	As per Tender Qty 673.20						**22.50**	TR 1750.00	**39375.00**
	Tender Rate	**1750.00**							
21	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1+2				**737.15**		
	As per Tender Qty 287.24						**737.15**		
	up to 125% Qty 359.05						**359.05**	TR 55.31	**19859.06**
	above 125% Qty						**378.10**	TR 55.31	**20912.43**
	Tender Rate	**25.00**							
									3736925.62

Rupees Thirty Seven Lakh(s) Thirty Six Thousand Nine Hundred Twenty Five And Paise Sixty Two Only

1 **Estimate Sanction amount Rs = 4000000**
2 **Tender Agriment Amount Rs = 3737307.74**
3 **Tender Primioum Below -5.55%**

Assistant Engineer

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Jnath Bangalore Mahanagara
Rangalore 92